STRUCT GEOTECH RESEARCH LABORATORIES (P) LTD

Creating Ideas Applying Values

BSCIC JAS-ANZ ISO 9001 REGISTERED BN1868/1500:0210

No. 588, 2nd Main, 6th Block
Hosakerehalli Cross
Banashankari III Stage, II Phase
Bangalore - 560 085, India

Phone : 91 80 26422752
Tele Fax : 91 80 26723662
Email : sgrlpl@rediffmail.com
: sgrlpl@yahoo.com
Website : www.structgeotech.com

NABL Accredited ISO / IEC 17025:2005 Laboratory

Report No.: SGRL / CM /1287 / 11-12 *06.03.2012*

TEST REPORT

Client	:	The Assistant Executive Engineer Bruhath Bengaluru Mahanagara Palike, Hebbal Sub Division, Queen's Road, Bangalore
Client's reference	:	AEE / H / PR / /10-11,
CSR No.	:	CM586, dt. 05.03.2012
Name of the work*	:	Construction of Individual houses for SC/ST Beneficiaries at Geddala Halli Block-1 Ward No.18
Contractor*	:	Sri. Balaji Enterprises
Sample Id	:	CM586 a - 2
Date of receipt	:	05.03.2012
Date of testing	:	06.03.2012
Type of sample	:	Coarse Aggregate - 40mm and down
Name of test	:	Sieve Analysis

IS Sieve Designation	*Cumulative Percent Passing*		*Test Method*
	Test Result	*Requirement as per Table – 1000-1 of MoRT&H*	
63.00 mm	100	100	IS: 2386 (Part 1) - 1963
40.00 mm	90.1	95 -100	
20.00 mm	2.35	30 - 70	
10.00 mm	0.21	10 -35	
4.75 mm	0.21	0 - 5	

For Struct Geotech Research Laboratories Pvt. Ltd.

Authorized Signature
B. Venkata Subramanyam
Executive Director

Note: *(i) The Results relate only to the items tested (ii) This test report should not be reproduced except in full, without written approval of this laboratory (iii) Any corrections invalidates this report (iv) Any Query regarding the report must be reported immediately*
**Information as furnished by Client*

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Report No.: SGRL / CM / 1289 / 11-12 *12.03.2012*

TEST REPORT

Client : The Assistant Executive Engineer
Bruhath Bengaluru Mahanagara Palike,
Hebbal Sub Division,
Queen's Road, Bangalore.

Client's reference : AEE / H / PR / /10-11

CSR No : CM586, dt 05.03.2012

Name of the work* : Construction of Individual houses for SC/ST Beneficiaries at Geddala Halli Block-1in Ward No.18

Contractor* : Sri. Balaji Enterprises

Sample Id : CM586 (c)

Date of receipt : 05.03.2012

Date of testing : 09.03.2012 to 12.03.2012

Type of Sample : Cement

***Type of Cement**:** *OPC* ***Grade of Cement**:** *53 Grade* ***Brand**:** *Birla Super*

Sl. No.	*Description*	*Test Result*	*Requirements as per IS: 12269-1987*	*Test Method*
1.	Setting Time			
	a) Initial Setting Time	180 min	Min.30 min	IS 4031 (Part V)
	b) Final Setting Time	420 min	Max.600min	
2.	Standard Consistency	28 %	-	IS: 4031 (Part IV)
3.	Soundness by Le Chatelier method	0.5 mm	Max 10mm	IS: 4031 (Part III)
4.	Compressive Strength (i) 3 days (72 ± 1h) (average of three results)	33.50 N/mm^2	not less than 27.0 N/mm^2	IS: 4031 (Part VI)
5.	Fineness by Blaine's Air Permeability Method	262.89 m^2/kg	Min 225 m^2/kg	IS: 4031 (Part II)

For Struct Geotech Research Laboratories Pvt. Ltd.,

Authorized Signature

B. Venkata Subramanyam
Executive Director

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Information as furnished by Client

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Report No.: SGRL / CM / 1288 / 11-12 06.03.2012

TEST REPORT

Client : The Assistant Executive Engineer
Bruhath Bengaluru Mahanagara Palike,
Hebbal Sub Division,
Queen's Road, Bangalore

Client's reference : AEE / H / PR / /10-11,

CSR No. : CM586, dt.05.03.2012

Name of the Project* : Construction of Individual houses for SC/ST Beneficiaries at Geddala Halli Block-1 Ward No.18

Contractor* : Sri. Balaji Enterprises

Sample ID : CM586 b,

Type of Sample : Sand

Name of Test : Sieve Analysis

Date of Receipt : 05.03.2012

Date of Testing : 06.03.2012

Test Method : IS : 2386 (Part 1) 1963

Sl. No.	*Sieve Size (mm)*	*Weight Retained*	*% Weight Retained*	*Cumulative % of Weight Retained*	*Cumulative % of Weight Passing*
1	10	0	0	0	100
2	4.75	13.61	2.72	2.72	97.28
3	2.36	23.06	4.61	7.33	92.67
4	1.18	115.07	23.01	30.35	69.65
5	0.60	144.27	28.85	59.20	40.80
6	0.30	181.19	36.24	95.44	4.56
7	0.15	20.75	4.15	99.59	0.41

For Struct Geotech Research Laboratories Private Limited

Authorised Signature

B. Venkata Subramanyam
Executive Director

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****Information as furnished by the client***

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Report No.: SGRL / CM /1286/ 11-12 *06.03.2012*

TEST REPORT

Client	:	The Assistant Executive Engineer Bruhath Bengaluru Mahanagara Palike, Hebbal Sub Division, Queen's Road, Bangalore
Client's reference	:	AEE/H/PR/ /10-11,
CSR No.	:	CM586, dated 05.03.2012
Name of the work*	:	Construction of individual houses for SC/ST Beneficiaries at Geddala Halli Block-1 in Ward No.18
Contractor*	:	Sri.Balaji Enterprises
Sample Id	:	CM586 (a-1)
Date of receipt	:	05.03.2012
Date of testing	:	06.03.2012
Type of sample	:	Coarse Aggregate - 20mm and down
Name of test	:	Sieve Analysis

IS Sieve Designation	*Cumulative Percent Passing*		*Test Method*
	Test Result	*Requirement as per Table – 1000-1 of MoRT&H*	
40.00 mm	100	100	IS: 2386 (Part 1) - 1963
20.00 mm	86.60	95-100	
10.00 mm	5.40	25-55	
4.75 mm	1.32	0-10	

For Struct Geotech Research Laboratories Pvt. Ltd.,

Authorized Signature

B. Venkata Subramanyam
Executive Director

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